INTERNATIONAL SEARCH REPORT

PCT/GB 03/04697

		rci/ub Us/	/ 0409/		
A. CLASSI IPC 7	FIGATION OF SUBJECT MATTER F16L1/23 B65H51/14 H02G1	/06 E21B19/22			
According to	o International Patent Classification (IPC) or to both national clas	sification and IPC			
	SEARCHED				
Minimum do IPC 7	ocumentation searched (classification system followed by classif F16L B65H H02G E21B	ication symbols)			
Documental	tion searched other than minimum documentation to the extent the	nat such documents are included in the fields se	parched		
EPO-In	lata base consulted during the international search (name of dat	a base and, where practical, search terms used			
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of th	e relevant passages	Relevant to claim No.		
A	US 3 638 288 A (PRYOR DALE H) 1 February 1972 (1972-02-01) column 2, line 3 - column 2, l figures 3,4	ine 57;	1,9		
A	EP 0 524 648 A (HYDRA RIG INC) 27 January 1993 (1993-01-27) column 8, line 49 - column 9, figures 3-9	1,9			
Α	US 3 216 639 A (ANDRE CASTELA) 9 November 1965 (1965-11-09) the whole document		1,9		
Furt	ther documents are listed in the continuation of box C.	Patent family members are listed	in annex.		
'A' docum consider filing of the country which citation other	alegories of cited documents: ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filling date but than the priority date claimed	or priority date and not in conflict with cited to understand the principle or th invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the do "Y" document of particular relevance; the cannot be considered to involve an in document is combined with one or m ments, such combination being obvio in the art.	 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled 		
Date of the	actual completion of the international search	Date of mailing of the international sea	arch report		
1	4 April 2004	22/04/2004			
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Donnelly, C			

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